



# ***ALTERATION MANAGEMENT PLANNING (AMP)***

FLSIC CONFERENCE 14-15 MARCH 2000

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# ***AMP Genesis***

- **Repeated Fleet feedback underscored the requirement for improved modernization processes, management and execution<sup>1</sup>**
- **NAVSEA was assigned to:**
  - Develop solution ***with*** SYSCOMs/PEOs
  - Coordinate resolution with the Fleet
  - SEA 53 to address Battle Group Interoperability
- **NAVSEA chartered the Navy Battle Force Alignment (NBFA) IPT with key SYSCOM and Fleet stakeholders to address these issues**
- **Key stakeholders endorsed the establishment of AMP to facilitate an end-to-end collaborative process**
- **NAVSEA 04M to establish Alteration Management Planning<sup>2</sup>**

<sup>1</sup> CNO MSG 021648ZMAY98, CLF MSG 251600ZOCT99



# ***The Need***

- **Navy requires fully mission capable battle forces to meet national security needs**
- **Navy requires improvements to QOL to effect retention rates**
  - Through improvements to fleet support during the IDTC
- **NAVSEA 04 mission - Fleet support**
  - NAVSEA 04M mission -to support the stability of Battle Force IDTC by providing a more disciplined approach to modernization and logistics
  - Maintain a Battle Force focus
    - SEA 53 - BFI Engineering
    - SEA 04 - Facilitates logistics and process improvement



# ***What AMP is Not***

## ■ **An alteration supplier or manager**

- The SPMs are responsible for developing ship class-specific alterations and documentation
- The PARMs/SYSCOMs are responsible for developing equipment alterations and documentation
- SEA 53 is responsible for Battle Group Interoperability engineering, testing, and documentation

## ■ **The waterfront “gatekeeper”**

- This is done by the RMMCOs (fleet waterfront assets)

## ■ **Entering alteration data into databases**

- The SPM's/PARMs/SYSCOMs are data owners

## ■ **A replacement for the SPMs and PARMs**

## ■ **A redundant layer of management**

- Battle Force Focus not Platform specific



# ***What AMP is***

- **Provides Battle Force focus for alterations, providing information to the TYCOMs and SPMs on the readiness of alterations for installation**
  - Facilitate the development of a risk assessment for those alterations not 100% ready - but desired
  - Facilitates the development of a single source for alterations - Master List of alterations “ready for installation”
- **Supports integration of alterations for the Battle Force**
  - Facilitates the efficient and effective management of AIT installations for the Battle Force by helping to identify all BF alts
- **A dedicated two-way feedback loop for policies, procedures and installation experiences**
  - Integrated analysis of modernization feedback (Battle Force view) for process improvement
  - Provide Headquarters and waterfront experts with metrics to improve quality of Battle Force installations



# ***Alteration Management Planning Office***

## ■ **Purpose**

- Optimize alteration management planning and implementation to ensure the deployment of fully mission capable battle forces and to improve the quality of life of the deckplate sailor through an actively managed collaborative gatekeeping process.

## ■ **Product**

- Composite authorized list of all alterations (Master List of Mature Alterations)
- Metrics and process analysis

## ■ **Process**

- Coordinate planning of all alterations with focus on battle force
- Collaboratively validate readiness of all alterations
- Effect integration of alterations for availabilities
- Assist in coordination of alterations on the waterfront



# ***Installation Management Objectives***

- **Ensure that only approved alterations are installed, and installed right, the first time**
- **Applies to C4I, Combat Systems and HM&E**
- **Collaborative End-to-End Process for ALL activities developing and installing alterations**
- **Virtual connection to all official data sources through NDE**
- **Cannot add time to the process**
- **One Navy....approach and execution**



# ***Where We Are In The Process***

- **Addressing AIT work integration and quality issues with NSAs using NAVSEA Tech Spec 9090-310C. Update expected March 00.**
- **Complete the Stand-up of AMP H.Q. Office Apr 00**
- **Stand-up of AMP FCO's Feb 00**
- **Master List of Alts to Support Enterprise BG Feb 00**
- **Master List of Alts to Support Connie BG Feb 00**
- **Electronic Master List Using NDE May 00**
- **Re-host of FMPMIS and AIPS/GAITS through the NDE initiative started 01 Oct 99. (required for electronic M/L)**
- **Fleet RMMCO Standing-Up Jun 00**
  - USS Simpson pilot completed.
  - CINCLANTFLT RMG 251600Z OCT 99 establishes RMMCO
  - RMMCO business process defined Dec 99 - Mar 00





# ***The Payoff***

- **Operational - Deployable Interoperable Battle Forces (BG / ARG)**
- **Reduces TOC by:**
  - Reducing impact of immature alterations on IDTC requirements, reducing TCD Busts, and improving Sailor Quality of Life by providing more information allowing the type commander to make more informed decisions with respect to alteration installations
  - Improving planning and scheduling, allowing waterfront schedulers (NSA's and RMMCO's) to capitalize on common support services
  - Allowing TYCOM schedulers to review the readiness status of an alteration prior to programming for installation
  - Providing visibility to Interoperability requirements required by the Battle Force
- **SILENCE**

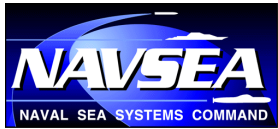


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# ***Fleet Readiness Branch***

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- **ILS/CM billet matrixed to AMP. Major efforts of branch are in-synch to support AMP**
- **Lead for update of ILS section to FMP Manual**
- **ILS Representative to SEA 53 for ILS/CM related issues**
- **Teamed with SPMs and SPAWAR for review of SPAWAR ILS Certification Sheets**
- **Lead for developing CONOPS with existing waterfront ILS representatives to improve delivery of ILS products to Fleet (long-term)**



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# ***Fleet Readiness Branch POCs***

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## **Name**

## **Email/Telephone**

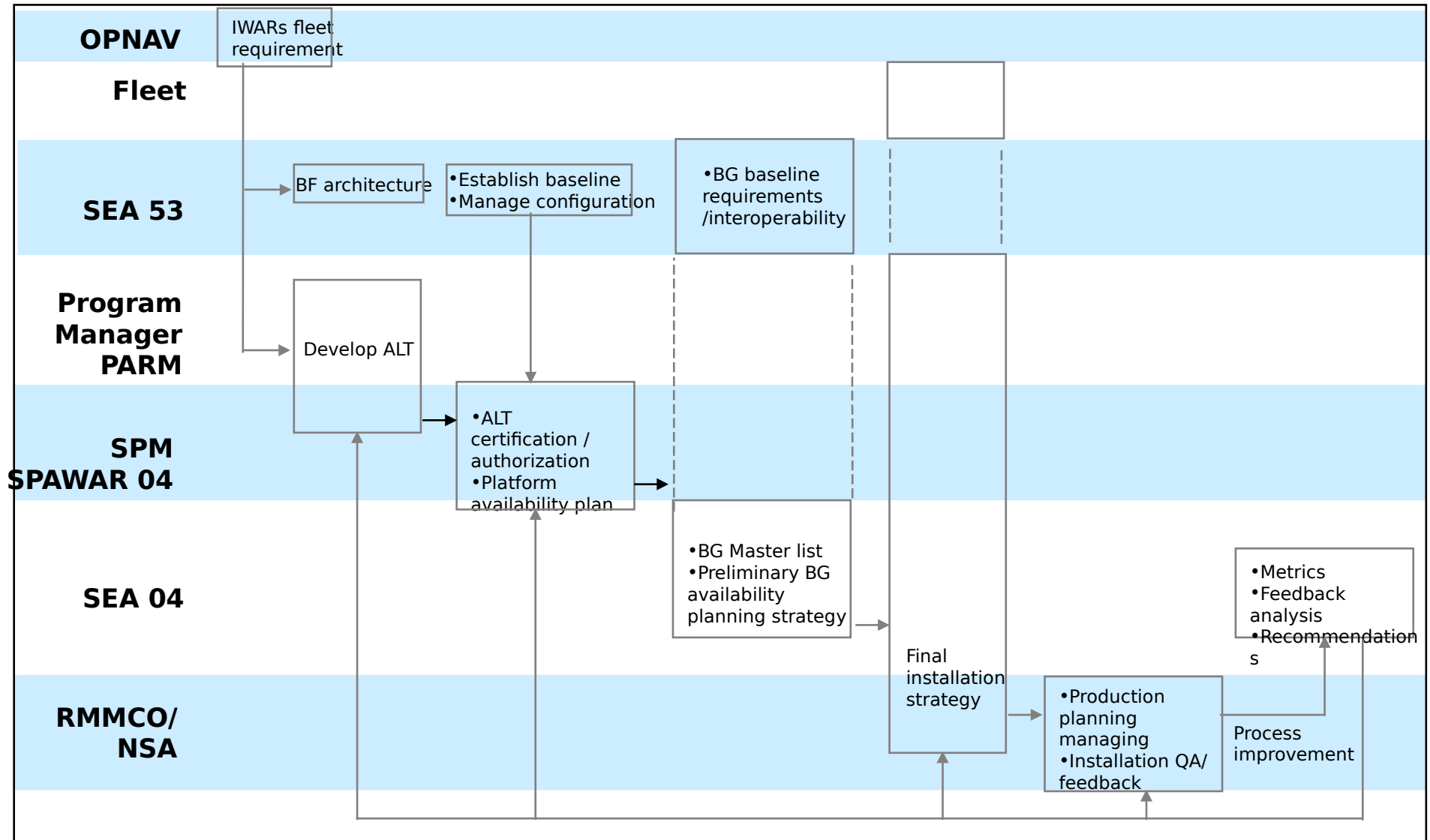
- **Geoff Arnold**      **(703) 602-8018 x335**  
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# ***Backup Slides***



# End-to-end Alt Management Plan



# Alteration Management Planning Office

## AMP Responsibilities

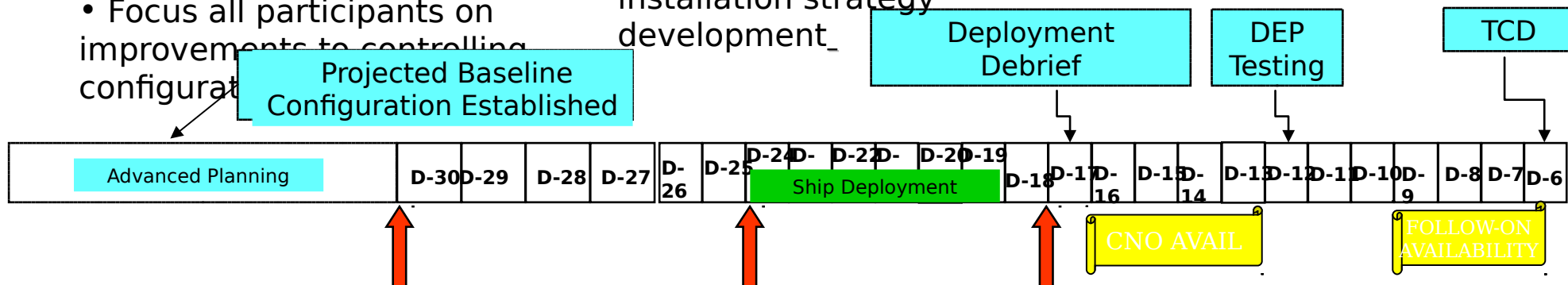
- Facilitate modernization through a single collaborative process
- Generate a BG master list of ALTs that are “certified ready” for installation
- Support BG installation planning
- Validate that alteration package is complete - validate assessment of integrated ship impact of ALTs
- Team with Fleet, PEOs and SYSCOMs to maximize the end-to-end process
- Manage process improvement
- Focus all participants on improvements to controlling configuration

## SUPSHIP/SY Responsibilities CNO Availability

- Perform gatekeeping process for availabilities in naval shipyards and for contracted work through SUPSHIPS
- Coordinate scheduling of install teams
- Integrate install teams with maintenance schedule
- Verify and check-in all install teams including quality check
- Verify approval and certification with Fleet CINC, SPM, SEA 53, SEA 04
- Participate in BG installation strategy development

## RMMCO Responsibilities Non-CNO Availability

- Perform gatekeeping process
- Coordinate scheduling of install teams
- Integrate install teams with maintenance schedule
- Verify and check- in all install teams including quality check
- Verify approval and certification with Fleet CINC, SPM, SEA 53, SEA 04
- Participate in BG installation strategy development





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# ***Master List Key Elements***

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- Mature Alteration: An alteration that when installed has a reasonable expectation of successful installation, operation, maintenance and interoperability and is fully logistically supported
- 18 different authoritative sources of alteration data - FMPMIS, AIPS/GAITS, VPO, TLS, Authorization Letters, TAMS, FLTCINC D-16 MSG, ...



# ***Key Elements Of Mature Alterations***

- Noun Name or Alteration Brief
- Alteration Type & Identifier
- Sponsor
- Executing Activity
- Installation Mandays
- APPROVAL:
  - SEA53      SPM      TYCOM
- Approved Design Documentation:
  - JCF          SAR          SID
- INSTALLATIONS:
  - ECP   EC   O/A   M/A   FC   TD   S/W   TMP
- SPECIAL SUPPORT REQMENTS:
  - Crane
  - Ship's HM&E Services
  - Staging Area
  - Special Disposition
  - HAZMAT Disposal
  - Divers
  - Hull Penetrations
  - Other
- Equipment Level SOVT/Test Plan
- Integrated SOVT/Test Plan
- ILS:
  - Technical Manuals   PMS   ICMP   Repair &
  - Maintenance Standards Training   Configuration
  - COSAL Support   MAMs   SNAP/4790CK/CDM
  - CSOSS/EOSS



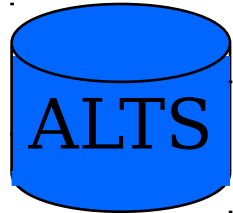


# ***What is the Master List?***

- **A compilation of alterations that are available for installation aboard Navy ships**
  - **Mature Alteration**
    - An alteration that, when installed, has a reasonable expectation of successful installation, operation, maintenance and interoperability and is fully logistically supported
    - Requires successful completion of SIDs, SARs, ILS, and other requirements
    - Requirements are tracked and made available via web-enabled application
  - **“Not Ready For Prime-Time” Alteration**
    - Lacks one or more of the Mature Alteration requirements
    - Has a “risk assessment” associated with a particular ship installation
    - Not recommended for installation, but available with SPM/TYCOM override
- **A single source of information that allows SPMs, PARMs, TYCOMs, SYSCOMs and other Fleet activities to make better decisions on installations**



# Evolution Of Alteration Management Process



- SHIPALTS
- ORDALTS
- MACHALTS
- FIELD CHANGES
- ECPs

**BATTLE FORCE MASTER LIST**

- ALL AUTHORIZED ALTS
- ENGINEERED
- ILS CERTIFICATION
- INTEROPERABILITY

**SHIP MASTER LIST**

- SHIP SPECIFIC ALTS TO MEET BATTLE FORCE REQUIREMENTS

**CNO AVAIL MASTER LIST**

- CNO AVAIL SPECIFIC ALTS TO MEET BATTLE FORCE REQUIREMENTS

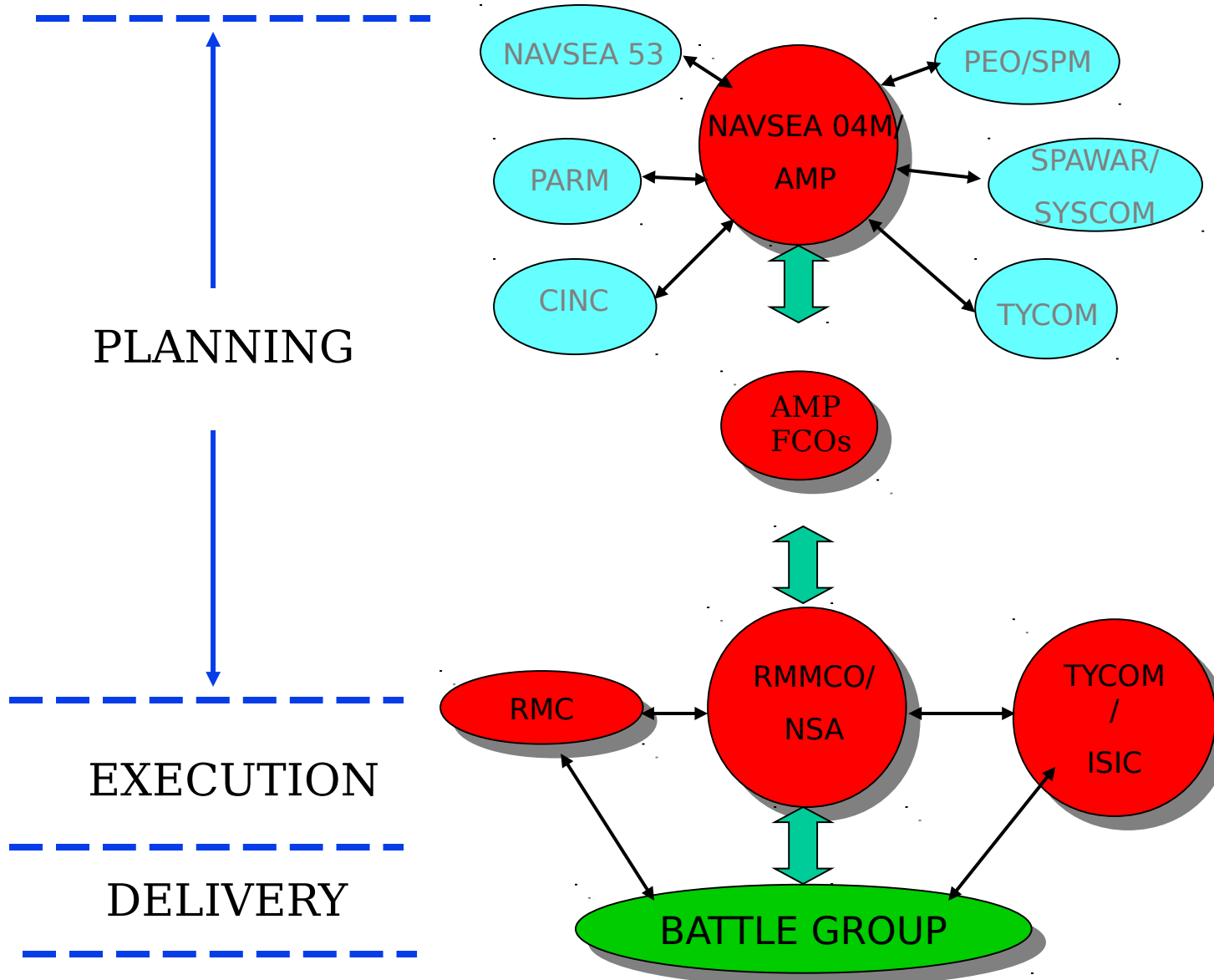
**NON-CNO AVAIL MASTER LIST**

- ALTS NOT INSTALLED DURING CNO AVAIL AND ALTS MEETING WAIVER REQUIREMENTS

- INSTITUTES A DISCIPLINED PROCESS FOR **ALL** INSTALLATIONS
- PLANNING PROCESS MOVES TO THE LEFT

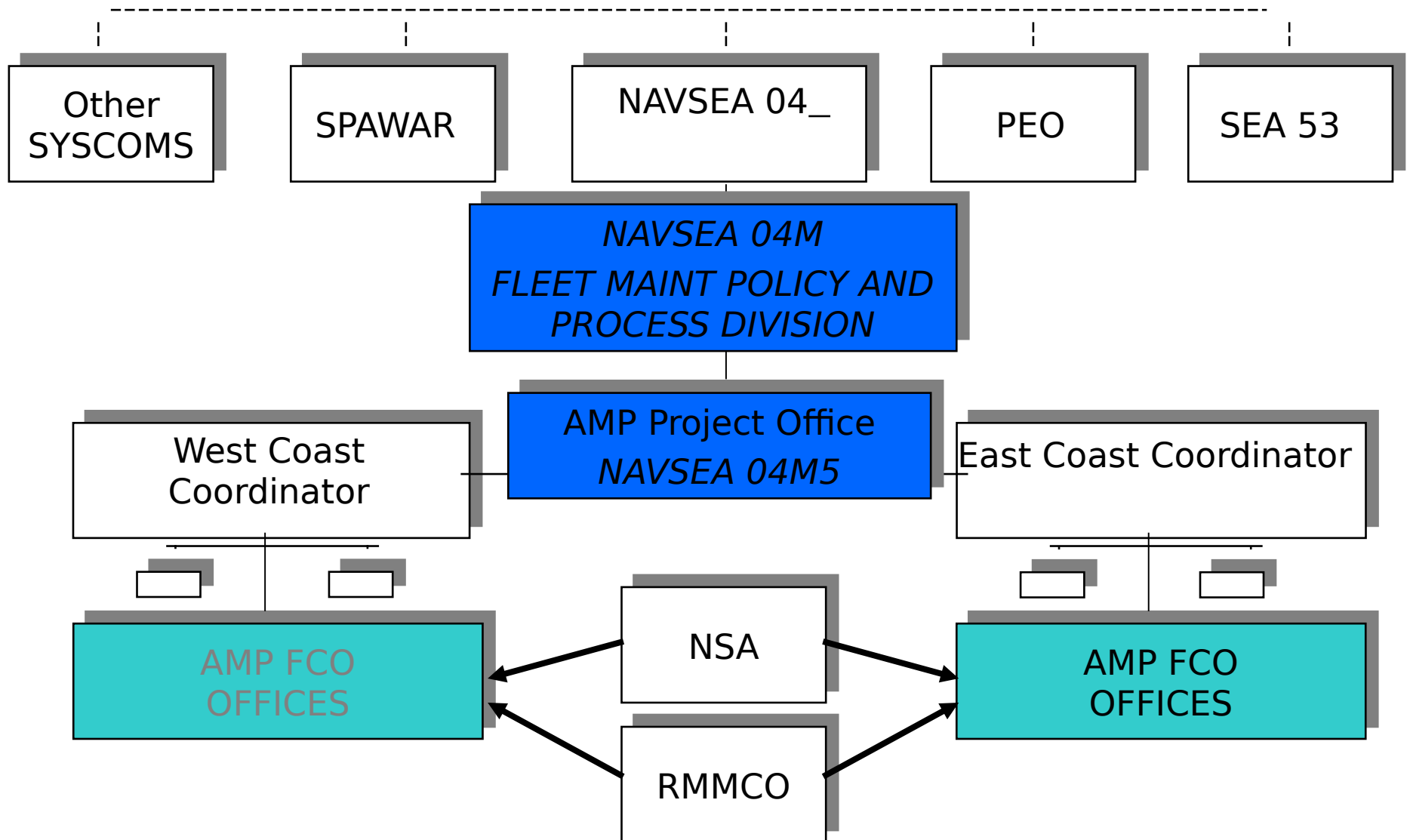
**AMP PRODUCT - BATTLE FORCE MASTER LIST**

# INTEGRATION





# ALTERATION MANAGEMENT PLANNING ORGANIZATION (NOTIONAL)





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## ***AMP IPT Is Active Participants Include***

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- **PEO TSC**
- **PEO EXW**
- **SEA 92**
- **PEO MIW**
- **PEO CARRIER**
- **PMS444**
- **SEA 53**
- **CINCLANTFLT**
- **CINCPACFLT**
- **NAVSSSES**
- **SPAWAR**
- **NAVAIR**
- **SEA 04**
- **PLANNING TO ADD**
  - PARMS
  - SMEs as required



# ***AMP FCO Responsibilities***

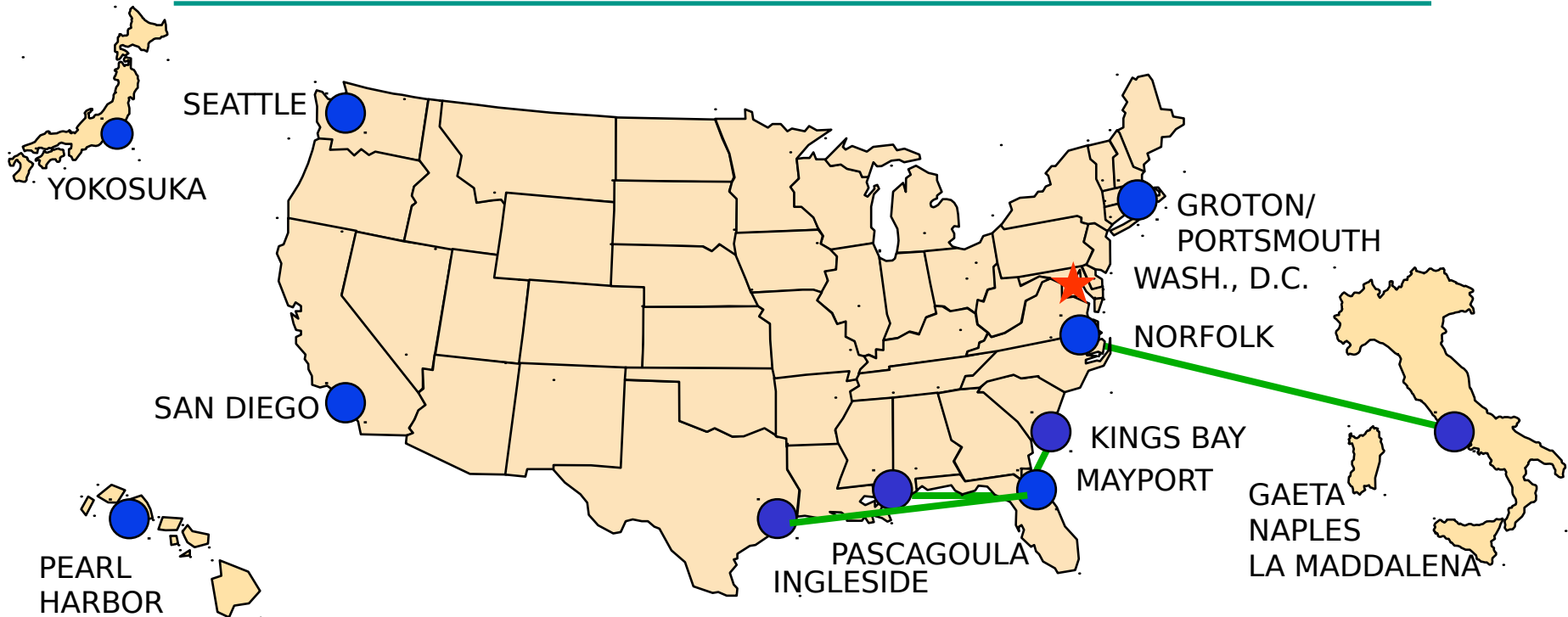
- Cognizant of Master List - planning and execution and monitoring of installation requirements including ILS, SIDs, SARs, etc.
- Cognizant of ship schedules and Battle Group composition
- Liaison with TYCOM re: Battle Group composition changes
- Front man for Battle Force alteration and AIT information
- Knowledgeable of problem (or potential) areas during planning and execution
- Feedback - lessons learned, process analysis, metrics
- Remain cognizant of possible Battle Group composition changes
- FOR NON-CNO AVAILS: Assist, team and facilitate during contracted (NSA lead/RMMCO assist) and non-contracted (RMMCO lead/NSA assist) Battle Group composition changes

**A BATTLE FORCE OFFICE FOR THE FLEET**

scheduling



# AMP/AMP Field Coordination Offices



ACTIVITY	AREA OF RESPONSIBILITY	NUMBER OF SHIPS
HQ	CORPORATE OFFICE	309
SW-RMC	SAN DIEGO	58
MA-RMC	NORFOLK/EARLE	97
PNW-RMC	BREMERTON/EVERETT/BANGOR	23
SE-RMC	MAYPORT/KINGS BAY/ PASCAGOULA/INGLESIDE	59
NE-RMC	GROTON/PORTSMOUTH	18
PEARL	PEARL HARBOR	32
SRU	GAETA/NAPLES/LA MADDALENA	2
SRF	YOKOSUKA/SASEBO/GUAM	20



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# ***Battle Force Metrics***

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- **Percent of ALTs installed after TCD**
- **Percent of “mature ALTs” successfully installed**
- **Percent of ALTs that are NOT “mature” (including waived ALTs) that are installed and have problems**
- **Percent of scheduled ALTs that are mature by start of installation**
- **Track ALTs installed inside and outside CNO Availability**
- **Production installation QA/Analysis**
- **AIT impact to sailor work-day**
- **Number of unresolved stakeholder issues**